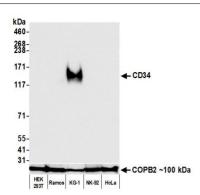
## CD34 Recombinant Monoclonal Antibody [BLR197J]



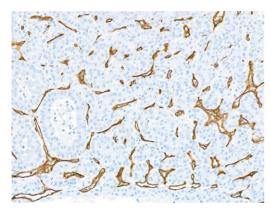
Rabbit Recombinant Monoclonal				
Purified			tein ID	NP_001020280.1
Catalog No.	Catalog No. A700–197–T		elD	947
Lot No.	A700-	97-T-1		
APPLICATIONS		WB, IP, IHC, ICC		
SPECIES REACTIVITY		Human		
AMOUNT		10 µl (5+ tests)		
CONCENTRATION		100 µg/ml		
STORAGE/SHELF LIFE		2 - 8°C / 1 year from date of receipt		
PHYSICAL STATE		Liquid		
BUFFER		Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide		
ISOTYPE		IgG		
CLONE #		BLR197J		
ORIGIN		USA		
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.		
FROCEDURES		Immunogen was a recombinant protein representing the extracellular domain of human Hematopoietic progenitor cell antigen CD34 (residues 33-290, NP_001020280.1).		
APPLICATIONS		Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.		
		Western Blot	1:1	,000
		Immunoprecipitation	n 20	µl/1 mg lysate
		Immunohistochemis		00 to 1:500. Epitope retrieval with citrate buffer pH6.0 is commended for FFPE tissue sections.
		Immunocytochemist		00 to 1:500. Epitope retrieval with citrate buffer pH6.0 is commended for FFPE cell sections.
IHC HUMAN CONTROLS		Kidney, Liver Carcinoma, Lung, Ovarian Carcinoma, Placenta, Prostate Carcinoma, Spleen, Tonsil, KG-1 Cells		
ADDITIONAL INFO		https://www.bethyl.com/product/A700-197-T		
		Use the link above to view SDS, a current list of citations, and other product specific information.		

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Michael Spencer, PhD Date: December 14, 2021

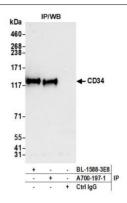
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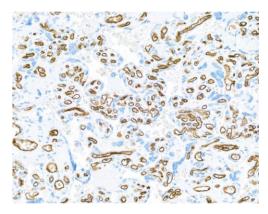
**Detection of human CD34 by western blot.** *Samples:* Whole cell lysate (50 µg) from HEK293T, Ramos, KG-1, NK-92, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197-T lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 1 second. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



**Detection of human CD34 by immunohistochemistry.** *Sample:* FFPE section of liver carcinoma. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of human CD34 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from KG-1 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197-T lot 1) used for IP at 20 µl/mg lysate. CD34 was also immunoprecipitated by a second antibody against a different epitope of CD34 (BL-1588-3E8). For blotting immunoprecipitated CD34, A700-197-T was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



**Detection of human CD34 by immunohistochemistry.** *Sample:* FFPE section of placenta. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).

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**Detection of human CD34 by immunocytochemistry.** *Sample:* FFPE section of KG-1 cells. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).

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